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## How to build a basic compass

### ***You will need:***

- cork/plastic/styrofoam
- wide cup/bowl/glass filled with water
- needle
- magnet

**Rub** the needle, in the same direction, against the magnet at least 12 times. Your needle should now be magnetized.

**Lay** the slice of cork on a flat surface. Carefully push the needle all the way through the cork. Ensure that the same amount of needle shows on either side of the cork.

**Fill** a wide cup, drinking glass or bowl minimum half full with water. Put the cork (with the needle) on the water in the cup. Try to keep the cork floating in the centre of the cup.

**The needle should turn and point North.**

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compass kit:



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